

Abstract

What is claimed is a novel plant phospholipase D activity-containing protein fraction which is derived 5 from representatives of the Papaveraceae family, and, in particular, from Papaver somniferum, and which is composed of two protein subfractions A and B whose molecular masses are, in particular, 116.4 kDa and, respectively, 114.1 kDa, which have isoelectric points, 10 pI, of 8.7 and, respectively, 6.7 and which have hydrolytic activity optima at pH 8.0 and, respectively, 5.5. The two subfractions are activated by  $Zn^{2+}$  ions, in particular, and constitute two isoenzymes. This protein fraction is used, in particular, for hydrolyzing and/or 15 transphosphatidylating phospholipids and their lyso forms.